

中国地质(双月刊)

(ZHONGGUO DIZHI)

2021年06月第48卷第3期(总第404期)

目次

特别关注

雄安新区自然资源与环境-生态地质条件分析

..... 马震,夏雨波,李海涛,韩博,余学中,周亚龙,王雨山,郭旭,李洪强,裴艳东(677)

粤港澳大湾区1975—2018年海岸线时空演变与影响因素分析

..... 杨晨晨,甘华阳,万荣胜,张耀明(697)

不同耕作类型下土壤-农作物系统中汞、砷含量与生态健康风险评价

..... 朱丹尼,邹胜章,周长松,卢海平,谢浩(708)

综述性论文

青藏高原东北缘深部地质构造与地热资源分布关系研究

..... 龙登红,周小龙,杨坤光,辜平阳,高银虎,王树明,陈桂凡(721)

斑岩型钨矿床研究进展 刘俊,李文昌,周清,杨富成,姜晓佳,张树志,郭欣然(732)

学术论文

陕西潼关县金矿矿区周边农田土壤重金属生态健康风险评价

..... 林苾,梁文静,焦旸,杨莉,范亚宁,田涛,刘晓萌(749)

河北省石家庄市藁城区富硒土壤特征、成因与生态环境健康评价

..... 赵燕,栾文楼,郭海全,蔡奎,马忠社,敦妍冉(764)

山西沁水煤田首阳山矿15[#]煤的稀土元素分布规律、赋存状态及其对成煤环境的指示

..... 王珍珍,李进孝,张珂,马家亮,张绍韡,Maksim G Blokhin,
张飘飘,蔺敬妍,孙明晓,申伟刚,赵存良(777)

鄂尔多斯盆地延川南区块深部地应力状态及其对煤层气开发效果的影响

..... 赵景辉,高玉巧,陈贞龙,郭涛,高小康(785)

克拉通盆地差异性构造活动对碳酸盐岩储集体的控制——以鄂尔多斯盆地马家沟组盐下储层为例 左洛滔,胡忠贵,张春林,胡明毅,杨威,莫午零(794)

松辽盆地北部三肇凹陷升554断块特低渗油气储层流动单元研究

..... 周路路,刘俊刚,舒广强,刘志伟,陈璋,王双桃,汤刚,黎勤国(807)

分支河流体系在东海西湖凹陷南部的运用及其对油气潜力的指示

..... 何苗,秦兰芝,尹太举,刘勇,王建宁,冯文杰(820)

[期刊基本参数]CN11-1167/P*1953*b*A4*330*zh*P*¥ 50.00*2000*21*2021-06

本期责任编辑:王学明 李亚萍 郭慧 英文审校:冯建忠 技术编辑:王巍 黄彩霞

漠河盆地西缘漠河组形成时代及物源区构造环境判别

…………… 周传芳,杨华本,蔡艳龙,张元厚,姜丽莉,魏小勇,段明新,冯嘉,王博超,赵喜东(832)

黔南罗甸酸性岩脉年代学、地球化学及其对火成岩省岩浆活动的响应

…………… 周琨,田亚洲,杨经绥,杨华燊,田云雷,武勇,钱丰,许秋媛(854)

内蒙古清水河木纹石特征及其形成机制 …………… 汤家辉,董国臣(872)

山东牟平院格庄岩体锆石U-Pb年龄及其对周缘铜钼多金属成矿的制约

…………… 邹键,唐文龙,丁正江,薄军委,李志强,于森(883)

延安晚更新世黄土颗粒微观各向异性特征及其成因分析

…………… 洪勃,李喜安,王力,孙建强,简涛,孟杰(900)

云南大关新地2井奥陶—志留纪之交钾质斑脱岩岩石地球化学特征分析

…………… 葛祥英,牟传龙,余谦,刘伟,门欣,何江林,陆俊泽,梁薇(911)

云南省大关地区泥盆系地层序列特征及其工业砂资源潜力分析

…………… 刘建清,何利,贺飞,何佳伟,何平(925)

南京市浅层地温场研究-基于分布式光纤测温技术

…………… 李济琛,陈明珠,汤强,刘春,梁立唯,Peter Bayer(939)

松辽盆地长岭断陷沙河子组页岩有机显微组分孔隙演化规律研究

…………… 高凤琳,王成锡,宋岩,姜振学,李卓,刘庆新,梁志凯,张欣欣(948)

发现与进展

河北张家口早白垩世张家口组中发现恐龙化石

…………… 朱本鸿,李金和,李杰,白春东,杨济远,连青,李典(959)

贵州关岭地区发现地表和地下水铀超常富集

…………… 周长松,邹胜章,夏日元,薛强,朱丹尼,李录娟,曹建文,李军,谢浩(961)

云南易门英云闪长岩锆石U-Pb年龄(2.43 Ga)报道

…………… 刘军平,孙柏东,关学卿,宋冬虎,吕勃焱,朱勋早,马进华(963)

松辽盆地宝龙山铀矿床中铀酰碳酸盐矿物的发现与砂岩型铀矿成矿的新途径

…………… 丁波,刘红旭,刘章月,邱林飞,贾立城,章展铭,黄少华(966)

北山北部成矿带发现多处特富级萤石矿点

…………… 夏冬,陈刚,王君良,刘洋,罗照华,刘亚楠,曹江宇,郑加行,孙耀锋(968)

川南沐川地区首次发现宣威组底部古风化壳-沉积型铀、稀土矿

…………… 文俊,竹合林,张金元,张航飞,郭文彦,游学军,赵伟,李鹏程,陈东方(970)

敦煌地块敖包山一带发现大型晶质石墨矿床

…………… 赵吉昌,柳永刚,樊新祥,胡小春,付全,方绍忠,杨镇熙(972)

简讯与热点

欧洲与北美55个碳减排关键技术:碳捕获/利用和存储技术(CCUS)项目简介与启示 … (974)

GEOLOGY IN CHINA

(Bimonthly)

Jun. 2021 Vol. 48, No.3 (Serial No. 404)

Contents

In Focus

Analysis of natural resources and environment eco-geological conditions in the Xiong'an New Area
..... *MA Zhen, XIA Yubo, LI Haitao, HAN Bo, YU Xuezhong, ZHOU Yalong, WANG Yushan, GUO Xu, LI Hongqiang, PEI Yandong*(677)

Spatiotemporal evolution and influencing factors of coastline in the Guangdong-Hong Kong-Macao Greater Bay Area from 1975 to 2018 *YANG Chenchen, GAN Huayang, WAN Rongsheng, ZHANG Yaoming*(697)

Hg and As contents of soil-crop system in different tillage types and ecological health risk assessment
..... *ZHU Danni, ZOU Shengzhang, ZHOU Changsong, LU Haiping, XIE Hao*(708)

Reviews

Research on relationship between the deep structure and geothermal resource distribution in the Northeastern Tibetan Plateau..... *LONG Denghong, ZHOU Xiaolong, YANG Kunguang, GU Pingyang, GAO Yinghu, WANG Shuming, CHEN Guifan*(721)

Advances in the study of porphyry tungsten deposits *LIU Jun, LI Wenchang, ZHOU Qing, YANG Fucheng, JIANG Xiaojia, ZHANG Shuzhi, GUO Xinran*(732)

Research Articles

Ecological and health risk assessment of heavy metals in farmland soil around the gold mining area in Tongguan of Shaanxi Province

..... *LIN Jin, LIANG Wenjing, JIAO Yang, YANG Li, FAN Yanning, TIAN Tao, LIU Xiaomeng*(749)

Characteristics, causes and ecological environment health evaluation of Selenium-enriched soil in Gaocheng District of Shijiazhuang City, Hebei Province

..... *ZHAO Yan, LUAN Wenlou, GUO Haiquan, CAI Kui, MA Zhongshe, DUN Yanran*(764)

Distribution and occurrence of rare earth elements in No.15 coal in Shouyangshan Mine, Qinshui Coalfield, Shanxi Province and its indication to the coal-forming environment

..... *WANG Zhenzhen, LI Jinxiao, ZHANG Ke, MA Jialiang, ZHANG Shaowei, Maksim G Blokhin, ZHANG Piaopiao, LIN Jingyan, SUN Mingxiao, SHEN Weigang, ZHAO Cunliang*(777)

Stress state of deep seam and its influence on development performance of CBM wells in South Yanchuan Block, odors Basin *ZHAO Jinghui, GAO Yuqiao, CHEN Zhenlong, GUO Tao, GAO Xiaokang*(785)

Control of differential tectonic activities on carbonate reservoirs in craton basin: A case study of the subsalt reservoir of Majiagou Formation in Ordos Basin

..... *ZUO Mingtao, HU Zhonggui, ZHANG Chunlin, HU Mingyi, YANG Wei, MO Wuling*(794)

Research on flow units of ultra-low permeability oil-gas reservoirs in Sheng 554 fault block of Sanzhao depression, northern Songliao Basin *ZHOU Lulu, LIU Jungang, SHU Guangqiang, LIU Zhiwei, CHEN Zhang, WANG Shuangtao, TANG Gang, LI Qinguo*(807)

The application of the distributive fluvial system in the South Xihu depression, East China Sea and its indication of oil and gas potential..... *HE Miao, QIN Lanzhi, YIN Taiju, LIU Yong, WANG Jianning, FENG Wenjie*(820)

Stratigraphic age of the Mohe Formation in the western margin of Mohe Basin and tectonic environment discrimination of its provenance..... *ZHOU Chuanfang, YANG Huaben, CAI Yanlong, ZHANG Yuanhou, JIANG Lili, WEI Xiaoyong, DUAN Mingxin, FENG Jia, WANG Bochao, ZHAO Xidong*(832)

(Executive editors of this issue: WANG Xueming, LI Yaping, GUO Hui)

- Geochronology and geochemistry of Luodian acidic dykes in the Southern Guizhou Province and its response to magmatism of igneous province *ZHOU Kun, TIAN Yazhou, YANG Jingsui, YANG Huashen, TIAN Yunlei, WU Yong, QIAN Feng, XU Qiuyuan*(854)
- The feature of wood-like stone and its forming mechanism in Qingshuihe of Inner Mongolia, China *TANG Jiahui, DONG Guochen*(872)
- Zircon U–Pb dating of the Yuangezhuang pluton in Muping of Shandong Province and its constraints on mineralization of Cu–Mo deposits *ZOU Jian, TANG Wenlong, DING Zhengjiang, BO Junwei, LI Zhiqiang, YU Sen*(883)
- Microscopic anisotropy and genesis of Late Pleistocene loess particles in Yan'an *HONG Bo, LI Xi'an, WANG Li, SUN Jianqiang, JIAN Tao, MENG Jie*(900)
- Petrology and geochemistry of the K–bentonites at the Ordovician–Silurian transition in XD2 well, Dagan Yunnan Province..... *GE Xiangying, MOU Chuanlong, YU Qian, LIU Wei, MEN Xin, HE Jianglin, LU Junze, LIANG Wei*(911)
- Devonian stratigraphic sequence in the Dagan area of Yunnan Province and its resource potentials of industrial quartz sand *LIU Jianqing, HE Li, HE Fei, HE Jiawei, HE Ping*(925)
- Study on shallow geothermal field in Nanjing: Based on Distributed Optical Fiber Temperature Measurement System *LI Jichen, CHEN Mingzhu, TANG Qiang, LIU Chun, LIANG Liwei, Peter Bayer*(939)
- Pore evolution of organic maceral in Shahezi Formation shale of Changling fault depression, Songliao Basin *GAO Fenglin, WANG Chengxi, SONG Yan, JIANG Zhenxue, LI Zhuo, LIU Qingxin, LIANG Zhikai, ZHANG Xinxin*(948)

Discoveries and Developments

- Dinosaur fossils discovered in Early Cretaceous Zhangjiakou Formation in Zhangjiakou, Hebei *ZHU Benhong, LI Jinhe, LI Jie, BAI Chundong, YANG Jiyuan, LIAN Qing, LI Dian*(959)
- Extreme enrichment of strontium discovered in surface water and groundwater in the Guanling area of Guizhou Province *ZHOU Changsong, ZOU Shengzhang, XIA Riyuan, XUE Qiang, ZHU Danni, LI Lujuan, CAO Jianwen, LI Jun, XIE Hao*(961)
- Report of the zircon U–Pb age (2.43Ga) of tonalite in Yimen, Yunnan *LIU Junping, SUN Baidong, GUAN Xueqing, SONG Donghu, LÜ Boye, ZHU Xunzao, MA Jinhua*(963)
- Discovery of uranyl carbonate mineral in the Baolongshan uranium deposit in Songliao Basin and mineralization of sandstone–hosted uranium deposits *DING Bo, LIU Hongxu, LIU Zhangyue, QIU Linfei, JIA Licheng, ZHANG Zhanmin, HUANG Shaohua*(966)
- Discovery of several high–grade fluorite ore occurrences in the northern metallogenic belt of Beishan *XIA Dong, CHEN Gang, WANG Junliang, LIU Yang, LUO Zhaohua, LIU Yanan, CAO Jianguyu, ZHENG Jiaying, SUN Yaofeng*(968)
- The first discovery of the paleo–weathering crust–sedimentary Nb and rare earth deposits at the bottom of Xuanwei Formation in the Muchuan area of southern Sichuan *WEN Jun, ZHU Helin, ZHANG Jinyuan, Zhang Hangfei, GUO Wenyan, YOU Xuejun, ZHAO Wei, LI Pengcheng, CHEN Dongfang*(970)
- Discovery of large–sized crystalline graphite deposit in the Aobaoshan area of Dunhuang block, Gansu Province *ZHAO Jichang, LIU Yonggang, FAN Xinxiang, HU Xiaochun, FU Quan, FANG Shaozhong, YANG Zhenxi*(972)

News and Highlights

- Introduction and implication of 55 European and North American carbon emission reduction key technology: carb on capture/utilization and storage (CCUS) projects (974)